

② OPTIONAL ARM SPLICE DETAIL



6 TYPICAL SEAM WELD

CANTILEVER SIGNAL ARM DATA				
L (ft.)	ARM DIAMETER AT POLE	ARM WALL THICKNESS (in.)	R (in.)	CABLE INLETS
15	8"	5/16"	7 1/2"	A, B
20	10"	5/16"	10"	A, B
25	11"	5/16"	1'-0 1/2"	A, B
30	13"	5/16"	1'-3"	A, B
35	14"	5/16"	1'-5 1/2"	A, B, C
40	15"	5/16"	1'-8"	A, B, C
45	17"	5/16"	1'-10 1/2"	A, B, C
50	19"	5/16"	2'-1"	A, B, C, D
55	20"	5/16"	2'-3 1/2"	A, B, C, D
60	21"	5/16"	2'-6"	A, B, C, D, E

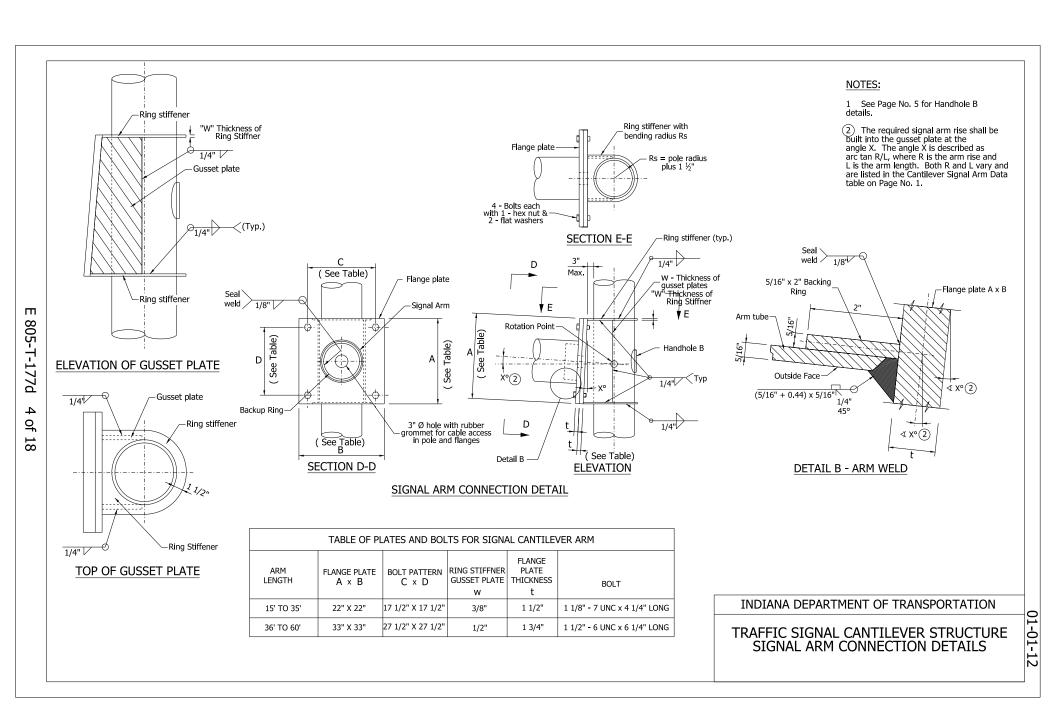
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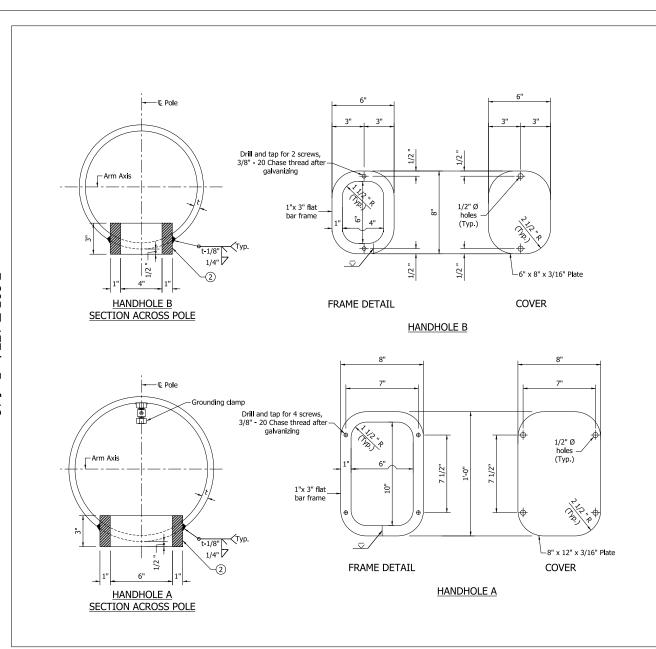
NOTES:

- 1 Number of cable inlets depends on arm L (See Cantilever Signal Arm Data Table). The inlet diameter shall be 1 3/4" with rubber grommet (Typ.)
- 2 Optional splice can be used for greater than 40' arm length. The splice shall be located a minimum of 30' from the pole. The end extension section of the arm shall have a wall thickness of 3/16" or greater. Field assembly shall achieve a snug tight joint (Min. overlap not less than 1,5 times the inside dimension of the end section).
- 3 Arm rise R is measured in the undeflected position without vertical loads on the arm.
- (4) See Page 5 for Handhole B details.
- 5. See Page 6 and 7 for placement of signal and signs for each arm length.
- (6) If seam welds are used, the weld location for the arms shall be along the bottom, and on the side of pole as shown.

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TRAFFIC SIGNAL CANTILEVER STRUCTURE SIGNAL ARM DIMENSIONS & DETAILS



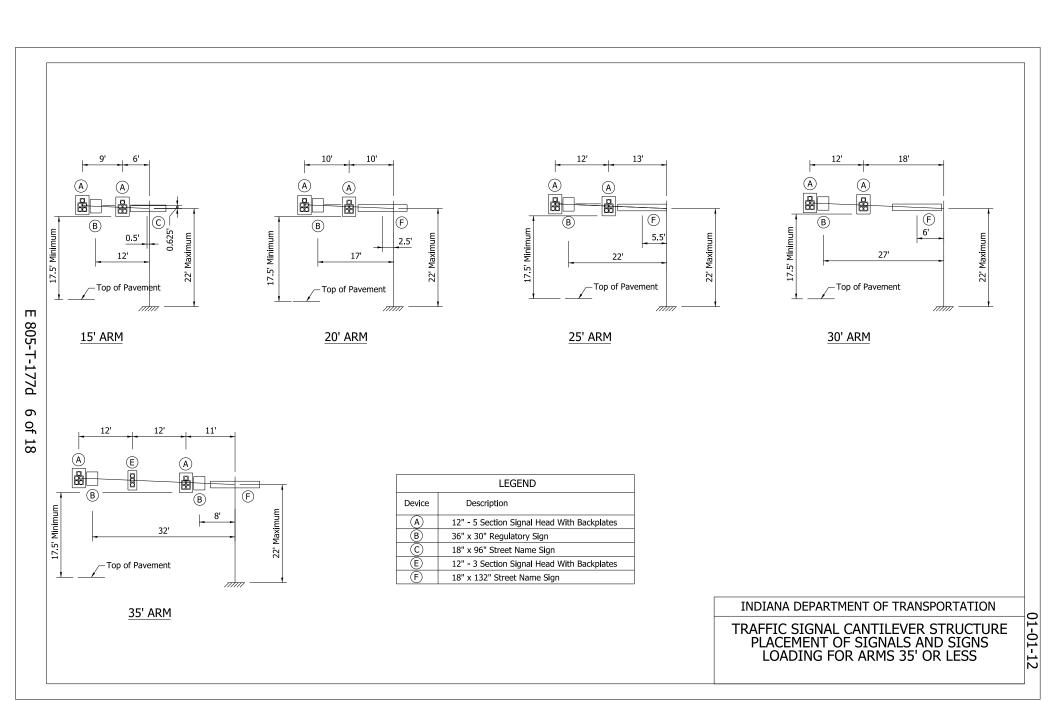


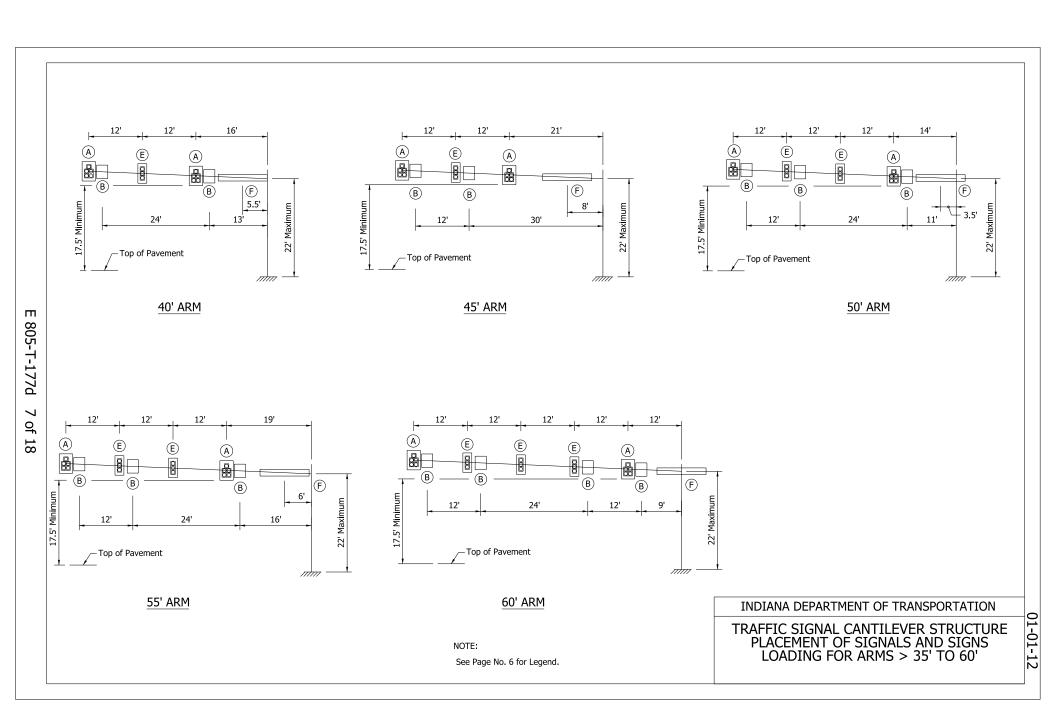
NOTES:

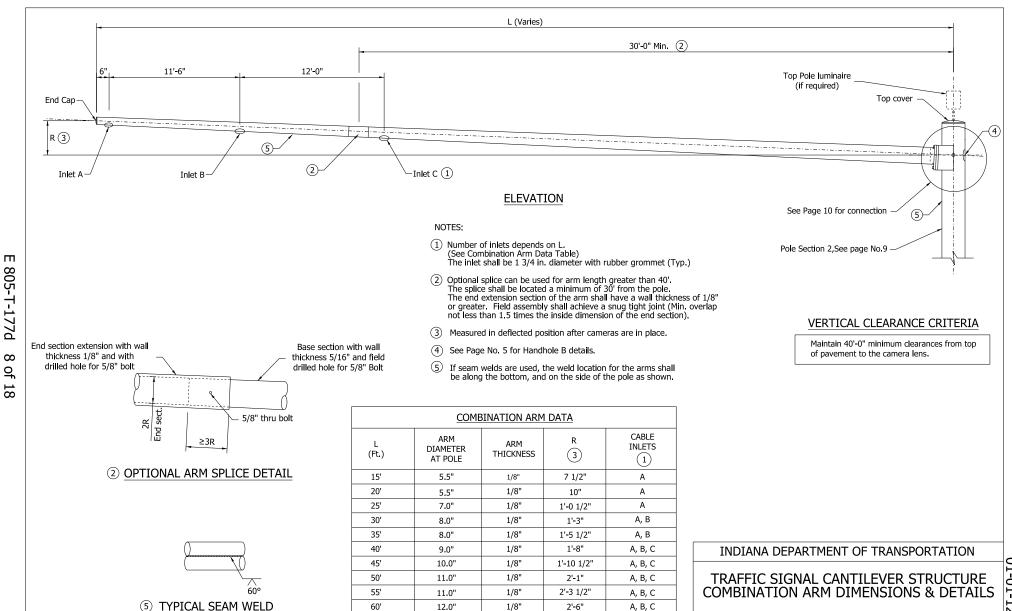
- 1 Handhole A shall be used at the base of the pole, Handhole B shall be used at all other locations.
- ② In lieu of fabricated handhole frame as shown, frame may be cut from 3" plate (rolling direction vertical).
- 3 See Page No. 2 for handhole locations.

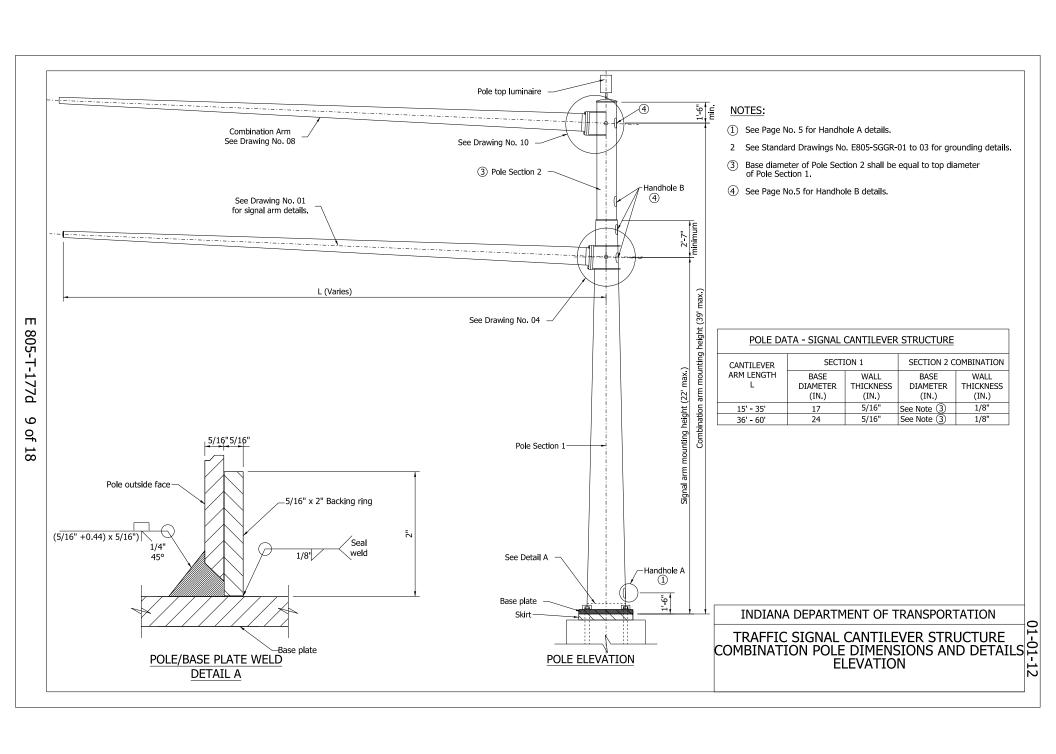
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TRAFFIC SIGNAL CANTILEVER STRUCTURE HANDHOLE DETAILS

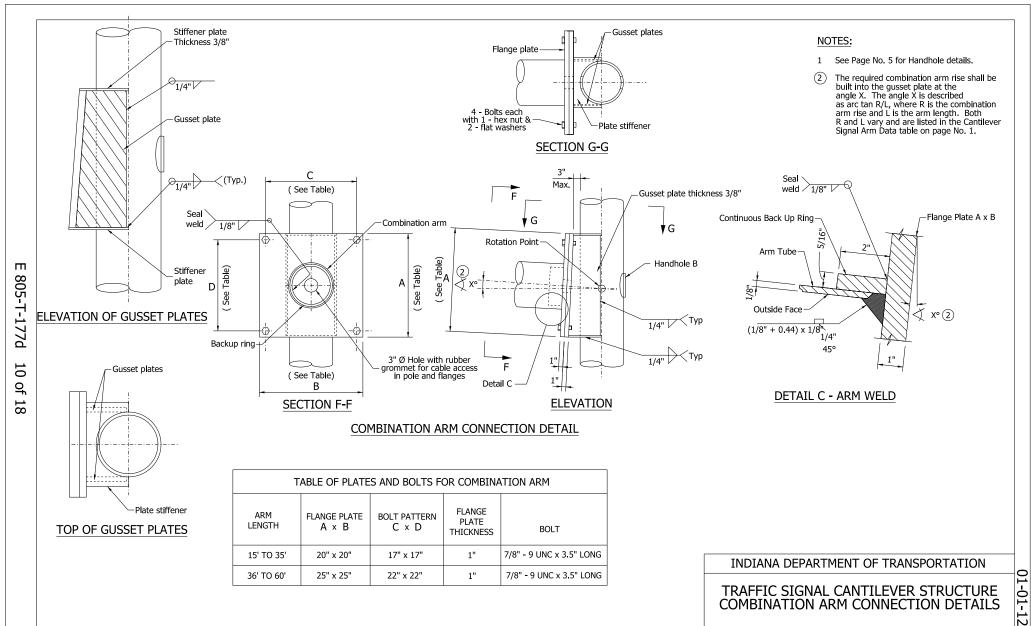


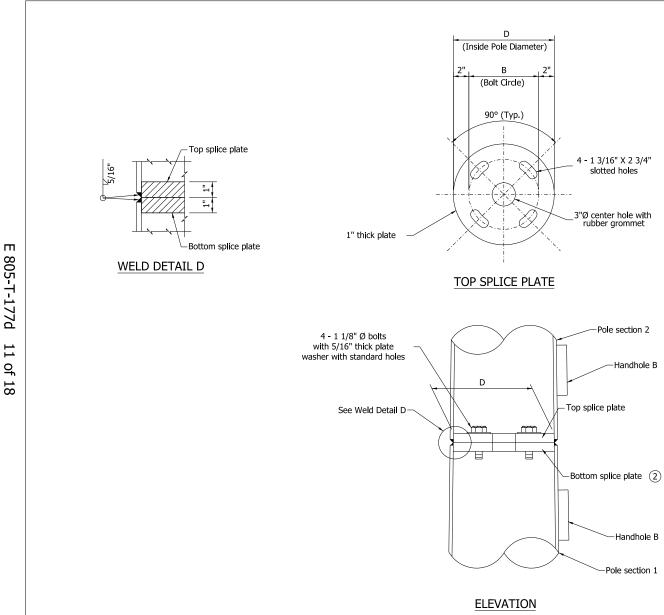












NOTES:

- 1 Diameter at the bottom of Pole section 2 shall match the diameter at the top of Pole section 1.
- 2 See page No.3 for bottom splice plate details.

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TRAFFIC SIGNAL CANTILEVER STRUCTURE COMBINATION POLE SPLICE DETAILS FOR ARMS 35' OR LESS

01-01-12

